

Mathematics & NSA: A Long Term Partnership



2001

Summer Institute

for

Elementary School Teachers

(SIEST)

Grade 2-5 teachers are invited to apply for the 2001 National Security Agency SIEST:

- Held **June 25-29, 2001**
- Hosted by **The University of Maryland, Eastern Shore.**

Successful applicants:

- **Learn and apply** the latest techniques for mathematics classrooms
- Receive a **stipend** of **\$500**
- Receive **free** manipulatives and other valuable **educational supplies**
- **Co-author** learning units for publication and distribution nation-wide
- May receive **in-service** credits
- Receive a **continental breakfast and lunch** each day

Participants can expect to work hard and have fun in a **professional, energetic, fast-paced environment**. The enclosed application must be postmarked **no later than 13 April, 2001**.

WHAT IS THE SUMMER INSTITUTE FOR ELEMENTARY SCHOOL TEACHERS?

In partnership with the University of Maryland, Eastern Shore (UMES), the National Security Agency's Mathematics Education Partnership Program sponsors Summer Institutes for Elementary School Teachers (SIEST). These Institutes provide teachers an **intensive five-day opportunity** to learn and apply the **latest techniques for mathematics classrooms** using a wide variety of manipulatives.

During the first half of the week-long Institute you will **attend one of two strands** on subjects such as Numbers and Operations; Geometry and Spatial Sense; Patterns, Functions, and Algebra; and Data Analysis, Statistics and Probability. In addition, you will attend **special lectures** by NSA mathematicians on topics such as cryptanalysis, probability, and statistics.

During the second half of the Institute, you will be part of a two person team that will **develop a learning unit** designed to incorporate the NCTM Standards 2000. NSA maintains ownership of the learning units and publishes and distributes them free of charge upon request from educational institutions or teachers. They may also be available via the Internet.

You will also be required to attend **two follow-up sessions**, one in the fall and one in the spring (probably on 30 November 2001 and 29 March 2002 in Ocean City, MD). During these sessions, you will make final changes to your learning units, attend new strand sessions, and present your learning unit to the Institute.

You will receive a stipend of **\$500.00** if you complete the entire 40-hour program during the summer and complete a learning unit suitable for review by representatives of the Maryland Council of Teachers of Mathematics. After attending both follow-up sessions you may receive in-service credits depending on the requirements of your state (MSDE has approved 3 in-service credits). Free room and board at UMES will be provided to a limited number of participants during the 40-hour program.

HOW CAN YOU BE A PART OF THE 2001 SIEST?

Second through fifth grade elementary school teachers are invited to apply. We are looking for both experienced and novice teachers; for teachers who love to teach math and those who want to conquer their fear of teaching math; for teachers from public and private nonprofit schools. Most importantly, we are looking for teachers who are excited about teaching, who work well with others, and who like to participate!

THE NEXT STEP

The **enclosed application** must be completed, signed by both you and your principal, and returned **no later than 13 April 2001**. Neatness and thoroughness count! Incomplete applications will not be considered. You also must attach one of your lesson plans or units as an example of your writing and planning skills.

2001 Summer Institute for Elementary School Teachers

**Mathematics & NSA:
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Application

2001 Summer Institute for Elementary School Teachers - UMES

**PLEASE TYPE OR PRINT CLEARLY -- Neatness and the ability to follow instructions count!
Incomplete applications will not be considered.**

1. Name _____
Title (Mr.,Ms., Mrs., Miss, Dr.) last first initial

2. Number of years experience teaching elementary school _____

3. Highest degree earned _____ Grade taught 2000-01 school year _____

4. Have you ever attended a SIEST? _____ If yes, when? _____
Which strand did you attend? _____

5. School where employed

name of school street address
Public _____
Private _____ city/state/zip code

school jurisdiction (e.g., Balto. City, P.G. Co., Private) (area code) telephone number

6. Residence

(area code) telephone number street address

city/state/zip code

7. Male _____ Female _____

8. US Citizen? Yes _____ No _____

9. Ethnicity African American _____ White _____ Hispanic _____ Native American _____
Asian/Pacific Islander _____ Other (Specify) _____

10. **Continuing Education** On a separate page, indicate continuing education programs taken during the last five years:

<u>Name of program</u>	<u>Host organization</u>	<u>Length</u>	<u>Date</u>	<u>Your role</u>
<i>if none, indicate so on the separate page, and give reason.</i>				

12. **Reasons for Participating** On separate paper, state your plans and goals for enhancing elementary school mathematics or science education and your reasons for participating in this institute.

13. **You also must attach one of your lesson plans or units as an example of your writing and planning skills.**

14. **I would be interested in staying on campus during the institute.** Yes___ No___

15. **Support of Administration** Your school principal must sign the following:

I recommend this applicant for participation in the institute. After completion of the institute, I will support the applicant's efforts to convey the results of the institute to other teachers at my school *and I will support the applicant's attendance at the two follow-up sessions.* I understand that in order to get in-service credits, the applicant must attend these follow-up sessions and that NSA will provide no reimbursements for substitutes. (Teachers from states outside of the mid-Atlantic region do not have to attend the follow-up sessions if they are not interested in receiving MSDE credits). I also consent to the inclusion of my school name and phone number on this applicant's learning units, which will be published and distributed by NSA, both in paper copy and on the Internet.

Principal's signature_____

Principal's name (printed) _____

16. **Applicant Consent Statement.** You must sign the application in order to be considered for the Institute.

I consent to NSA's ownership, publication, and distribution, both in paper copy and on the Internet of the learning units I write, to include my name, school name, and school phone number. I also consent to NSA's making and using photograph or videotape images of me for purposes of including such images in informational packages regarding these institutes.

PRIVACY ACT STATEMENT: Auth: 10 U.S.C. § 2193; SSN: EO 9397. PURPOSE: administer cooperative agreements with area schools. ROUTINE USES: disclosure to (1) agency officials administering the program, (2) school cooperative agreement administrators and (3) teacher participants (contact information only). Disclosure of the information, including Social Security Numbers, is voluntary. Failure to furnish the requested information may result in non-selection, non-participation, or non-payment in the program. Your signature indicates you have read and understand the above.

Applicant's signature_____

Application must be received by **April 13, 2001**. Send to:

National Security Agency
9800 Savage Rd. Suite 6217
Fort George G. Meade, Maryland 20755-6217
ATTN: D5/MEPP -- SIEST, Room 2B5030
MEPP can be contacted via e-mail at the address AJrkcow@fggm.osis.gov
Application can be faxed to 301-688-4980 Attn.: Bob Cowles